

## Zahnbürste.

### Bibliographic data

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Toothbrush. The invention refers to a toothbrush also. by hand more releasable and over arranged plug-in Zahnbürstchen. It toothbrushes are already known., with those in Tooth brushing marriages by hand more releasable and over . #teckbar to Toothbrush body arranged is. Furthermore other toothbrushes are kannt, with those Zahnbürstchen in the brush body resilient in the operation position held becomes. One has finite ones vorgeschla towards, in Tooth brushing marriages in the stem tooth brushes more rotatable and hinged to arrange.

Those the subject-matter of present Erfin dung formed toothbrush is ge thereby marks, that in the brush head a sleeve provided with resilient tongues is fixed, into which with ring groove the provided Bürstchen used will can and in that it by those into the ring groove engaging tongues in the operation position held becomes. To the receptacle of the Zahnbürstchens the nende sleeve can be within the bristles of the toothbrush provided. It ermög light in this case that that Tooth brushing marriages in that Bristle set of the brush releasable and nevertheless in the operation position fixed at ordered will can.

In the drawing are two execution examples of the Invention article and one Variant shown, show: Fig. 1 and 2: a first execution example in side view and plan view; Fig. 3 shows in larger Yardstick the sleeve planned in the brush head also an inserted Zahnbürstchen; Fig. 4 a variant points to on would take of the Zahnbürstchens serving sleeve; Fig. 5 shows another execution example in side view.

With the embodiment after Fig. 1 to 3 is in the brush head 1 between that For bristle bundles a metal bushing 2 einge sets, which express end to with slots 3 are provided (Fig. 4), so that resilient Zunge develops towards 4. The metal bushing 2 knows the form after r'ig. 3 or 4 have. The Zunge towards 4 serve for holding of the Zahnbürstchens 5. This possesses at vordern the end one Bristle set 6. Furthermore it possesses ring a slot 7, into which the free ends of the Zunge catch towards 4. The dimensions of the Zahnbürstchens 5 are so selected, dass' that Bristle set 6 over that Bristle set 7' of the toothbrush manages, so that the bristles of the Bristle set 6 the tooth spaces to occur can. The ring groove 7 is so formed that that Zahnbürstchen of the back of the toothbrush into the sleeve 2 introduced will can; on the other hand that can Tooth do not bürstchen no more after backwards near drawn become, there the tongues 4 against the radial longitudinal Slot wall line up. Around that Bürstchen from the brush too ent far, becomes on the head 8 (Fig. 3) ge presses, whereby that Bürstchen on that Bristle side withdraws. That Bürstchen 5 becomes 9 inserted with nonusage into a sleeve, which is in a recess 10 of the grasp 11 12 rotatably disposed on a pin. By tricks of the sleeve 9 into the layer shown by dotted lines (Fig. ) that can do -1 Bürstchen 5 light from the protection can 9 remote and into the sleeve 2 an inserted become.

The toothbrush could become also in the manner formed that those rotatable sleeve arranged in the Griff' and that Tooth brushing marriages at the handle end into the operation position, which is vertical to the longitudinal direction of the grasp, brought and in this layer used will can and not into that. Brush head inserted will must. However a sleeve provided with resilient tongues is to the receptacle of the also with this formation in the brush head Zahnbürstchens provided.

With the embodiment after Fig. 5 is that Zahnbürstchen 15 in front at bristles part just as performed as that Tooth brushing chen 5; however it possesses in the back a conical end piece 16, in a conical Drillingnarrow 17 of the brush head 18 inserted becomes can. In addition however the brushes head 1,8 possesses also still another not drawn sleeve zurre putting in

provided with resilient tongues of the Zahnbürstchens, so that that Zahnbürstchen on some or other type fixed will can. Also with this from guidance example, similar can as with the toothbrush after Fig. 1 to 3, a stored sleeve to the receptacle, rotatable in the grasp, of the Zahnbürstchens provided its. To the receptacle of the In addition, Zahnbürstchens can do only a loose in one Bore of the grasp accommodated protective sleeve vorgese hen its.

CLAIM: Toothbrush with by hand more releasable and plug selectable in Toothbrush body angeord netem Zahubürstchen, thus identified-calibrate net that in the brush head a sleeve provided with resilient tongues is fixed, into which the provided with ring groove Bürstchen used will can and in that it by the tongues in that, engaging into the ring groove Operation position held becomes. UNTERANSPRÜCHE: 1. Toothbrush after claim, there by characterized, dass' one to on would take of the Bürstchens serving in a recess of the brush handle located and transverse to the stem adjustable sleeve provided is, the whole in such a manner that that Bürstchen for changing the light sleeve removed will can. 2. Toothbrush after claim and Unteranspruch 1, thus identified-calibrate net that the whole is in such a manner formed that that Bürstchen in in a from saving the brush handle located and transverse to stems adjustable intended sleeve to Tooth-cleaned used who that can do.

